

Claims

1. A device for optical distance measurement, in particular a handheld device,
5 having an emission branch (14) which defines an emission channel and has at least one emission unit (22, 24) for emitting modulated optical radiation (36) in the direction of a target object (20), having a reception branch (18) which defines a reception channel (44) and has at least one receiver (54), and having a reference branch (15) which defines a reference path (40), and having switch means (38) for
10 deflecting the measurement signal (36) between the emission branch (14) and the reference branch (15), characterized in that the switch means (38) are mechanically driven.

2. The device as defined by claim 1, characterized in that the switch means
15 (38) are driven by mechanical work that is to be performed by a user at a user control element (84) of the device.

3. The device as defined by claim 2, characterized in that the switch means
20 (38) are operated by the measurement button (84) for performing a distance measurement.

4. The device as defined by claim 1, 2 or 3, characterized in that the switch
means (38) are to be actuated counter to the restoring force of an adjusting
25 moment.

5. The device as defined by claim 4, characterized in that the switch means
(38) are to be actuated counter to the force of at least one spring-elastic element
(94, 98).

30 6. The device as defined by one of the foregoing claims, characterized in that the switch means (38) are embodied such that the measurement radiation (36) traverses the reference path (40), if the switch means (38) are not activated.

7. The device as defined by one of the foregoing claims, characterized in that

the switch means (38) close the emission branch (14) in the event that the measurement button (84) for activating a distance measurement is not activated.